

MAJOR SOURCE OPERATING PERMIT

Permittee: **Steel Dust Recycling, LLC**
Facility Name: **Steel Dust Recycling, LLC**
Facility No.: 408-0010
Location: Millport, Alabama

In accordance with and subject to the provisions of the Alabama Air Pollution Control Act of 1971, as amended, Ala. Code §§22-28-1 to 22-28-23 (2006 Rplc. Vol. and 2007 Cum. Supp.) (the "AAPCA") and the Alabama Environmental Management Act, as amended, Ala. Code §§22-22A-1 to 22-22A-15 (2006 Rplc. Vol. and 2007 Cum. Supp.), and rules and regulations adopted thereunder, and subject further to the conditions set forth in this permit, the Permittee is hereby authorized to construct, install and use the equipment, device or other article described above.

*Pursuant to the **Clean Air Act of 1990**, all conditions of this permit are federally enforceable by EPA, the Alabama Department of Environmental Management, and citizens in general. Those provisions which are not required under the **Clean Air Act of 1990** are considered to be state permit provisions and are not federally enforceable by EPA and citizens in general. Those provisions are contained in separate sections of this permit.*

Issuance Date: DRAFT
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<p>1. <u>Transfer</u></p> <p>This permit is not transferable, whether by operation of law or otherwise, either from one location to another, from one piece of equipment to another, or from one person to another, except as provided in Rule 335-3-16-.13(1)(a)5.</p> <p>2. <u>Renewals</u></p> <p>An application for permit renewal shall be submitted at least six (6) months, but not more than eighteen (18) months, before the date of expiration of this permit.</p> <p>The source for which this permit is issued shall lose its right to operate upon the expiration of this permit unless a timely and complete renewal application has been submitted within the time constraints listed in the previous paragraph.</p> <p>3. <u>Severability Clause</u></p> <p>The provisions of this permit are declared to be severable and if any section, paragraph, subparagraph, subdivision, clause, or phrase of this permit shall be adjudged to be invalid or unconstitutional by any court of competent jurisdiction, the judgment shall not affect, impair, or invalidate the remainder of this permit, but shall be confined in its operation to the section, paragraph, subparagraph, subdivision, clause, or phrase of this permit that shall be directly involved in the controversy in which such judgment shall have been rendered.</p> <p>4. <u>Compliance</u></p> <p>(a) The permittee shall comply with all conditions of ADEM Admin. Code 335-3. Noncompliance with this permit will constitute a violation of the Clean Air Act of 1990 and ADEM Admin. Code 335-3 and may result in an enforcement action; including but not limited to, permit termination, revocation and reissuance, or modification; or denial of a permit renewal application by the permittee.</p> <p>(b) The permittee shall not use as a defense in an enforcement action that maintaining compliance with conditions of this permit would have required halting or reducing the permitted activity.</p>	<p>ADEM Admin Code r. 335-3-16-.02(6)</p> <p>ADEM Admin Code r. 335-3-16-.12(2)</p> <p>ADEM Admin Code r. 335-3-16-.05(e)</p> <p>ADEM Admin Code r. 335-3-16-.05(f)</p> <p>ADEM Admin Code r. 335-3-16-.05(g)</p>

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<p>5. <u>Termination for Cause</u></p> <p>This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance will not stay any permit condition.</p>	<p>ADEM Admin Code r. 335-3-16-.05(h)</p>
<p>6. <u>Property Rights</u></p> <p>The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege.</p>	<p>ADEM Admin Code r. 335-3-16-.05(i)</p>
<p>7. <u>Submission of Information</u></p> <p>The permittee must submit to the Department, within 30 days or for such other reasonable time as the Department may set, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon receiving a specific request, the permittee shall also furnish to the Department copies of records required to be kept by this permit.</p>	<p>ADEM Admin Code r. 335-3-16-.05(j)</p>
<p>8. <u>Economic Incentives, Marketable Permits, and Emissions Trading</u></p> <p>No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit.</p>	<p>ADEM Admin Code r. 335-3-16-.05(k)</p>
<p>9. <u>Certification of Truth, Accuracy, and Completeness:</u></p> <p>Any application form, report, test data, monitoring data, or compliance certification submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.</p>	<p>ADEM Admin Code r. 335-3-16-.07(a)</p>
<p>10. <u>Inspection and Entry</u></p> <p>Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized representatives of the Alabama Department of Environmental Management and EPA to conduct the following:</p>	<p>ADEM Admin Code r. 335-3-16-.07(b)</p>

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<ul style="list-style-type: none"> (a) Enter upon the permittee's premises where a source is located or emissions-related activity is conducted, or where records must be kept pursuant to the conditions of this permit; (b) Review and/or copy, at reasonable times, any records that must be kept pursuant to the conditions of this permit; (c) Inspect, at reasonable times, this facility's equipment (including monitoring equipment and air pollution control equipment), practices, or operations regulated or required pursuant to this permit; (d) Sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or other applicable requirements. 	
11. <u>Compliance Provisions</u>	
<ul style="list-style-type: none"> (a) The permittee shall continue to comply with the applicable requirements with which the company has certified that it is already in compliance. (b) The permittee shall comply in a timely manner with applicable requirements that become effective during the term of this permit. 	ADEM Admin Code r. 335-3-16-.07(c)
12. <u>Compliance Certification</u>	
<p>A compliance certification shall be submitted no later than March 5th of each year.</p>	ADEM Admin Code r. 335-3-16-.07(e)
<ul style="list-style-type: none"> (a) The compliance certification shall include the following: <ul style="list-style-type: none"> (1) The identification of each term or condition of this permit that is the basis of the certification; (2) The compliance status; (3) The method(s) used for determining the compliance status of the source, currently and over the reporting period consistent with Rule 335-3-16-.05(c) (Monitoring and Recordkeeping Requirements); 	

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<p>(4) Whether compliance has been continuous or intermittent;</p> <p>(5) Such other facts as the Department may require to determine the compliance status of the source;</p> <p>(b) The compliance certification shall be submitted to:</p> <p style="text-align: center;">Alabama Department of Environmental Management Air Division P.O. Box 301463 Montgomery, AL 36130-1463</p> <p style="text-align: center;">and to:</p> <p style="text-align: center;">Air Enforcement & Toxics Branch EPA Region 4 61 Forsyth Street, SW Atlanta, GA 30303</p>	
<p>13. <u>Reopening for Cause</u></p> <p>Under any of the following circumstances, this permit will be reopened prior to the expiration of the permit:</p> <p>(a) Additional applicable requirements under the Clean Air Act of 1990 become applicable to the permittee with a remaining permit term of three (3) or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire.</p> <p>(b) Additional requirements (including excess emissions requirements) become applicable to an affected source under the acid rain program. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into this permit.</p> <p>(c) The Department or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.</p>	<p>ADEM Admin Code r. 335-3-16-.13(5)</p>

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<p>(d) The Administrator or the Department determines that this permit must be revised or revoked to assure compliance with the applicable requirements.</p>	
<p>14. <u>Additional Rules and Regulations</u></p> <p>This permit is issued on the basis of Rules and Regulations existing on the date of issuance. In the event additional Rules and Regulations are adopted, it shall be the permit holder's responsibility to comply with such rules.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>15. <u>Equipment Maintenance or Breakdown</u></p> <p>(a) In the case of shutdown of air pollution control equipment (which operates pursuant to any permit issued by the Director) for necessary scheduled maintenance, the intent to shut down such equipment shall be reported to the Director at least twenty-four (24) hours prior to the planned shutdown, unless such shutdown is accompanied by the shutdown of the source which such equipment is intended to control. Such prior notice shall include, but is not limited to the following:</p> <ol style="list-style-type: none"> (1) Identification of the specific facility to be taken out of service as well as its location and permit number; (2) The expected length of time that the air pollution control equipment will be out of service; (3) The nature and quantity of emissions of air contaminants likely to occur during the shutdown period; (4) Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; (5) The reasons that it would be impossible or impractical to shut down the source operation during the maintenance period. <p>(b) In the event that there is a breakdown of equipment or upset of process in such a manner as to cause, or is expected to cause, increased emissions of air contaminants which are above an applicable</p>	<p>ADEM Admin Code r. 335-3-1-.07(1), (2)</p>

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<p>standard, the person responsible for such equipment shall notify the Director within 24 hours or the next working day and provide a statement giving all pertinent facts, including the estimated duration of the breakdown. The Director shall be notified when the breakdown has been corrected.</p>	
<p>16. <u>Operation of Capture and Control Devices</u></p> <p>All air pollution control devices and capture systems for which this permit is issued shall be maintained and operated at all times in a manner so as to minimize the emissions of air contaminants. Procedures for ensuring that the above equipment is properly operated and maintained so as to minimize the emission of air contaminants shall be established.</p>	<p>§22-28-16(d), Code of Alabama 1975, as amended</p>
<p>17. <u>Obnoxious Odors</u></p> <p>This permit is issued with the condition that, should obnoxious odors arising from the plant operations be verified by Air Division inspectors, measures to abate the odorous emissions shall be taken upon a determination by the Alabama Department of Environmental Management that these measures are technically and economically feasible.</p>	<p>ADEM Admin Code r. 335-3-1-.08</p>
<p>18. <u>Fugitive Dust</u></p> <p>(a) Precautions shall be taken to prevent fugitive dust emanating from plant roads, grounds, stockpiles, screens, dryers, hoppers, ductwork, etc.</p> <p>(b) Plant or haul roads and grounds will be maintained in the following manner so that dust will not become airborne. A minimum of one, or a combination, of the following methods shall be utilized to minimize airborne dust from plant or haul roads and grounds:</p> <p>(1) By the application of water any time the surface of the road is sufficiently dry to allow the creation of dust emissions by the act of wind or vehicular traffic;</p> <p>(2) By reducing the speed of vehicular traffic to a point below that at which dust emissions are created;</p>	<p>ADEM Admin Code r. 335-3-4-.02</p>

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<p>(3) By paving;</p> <p>(4) By the application of binders to the road surface at any time the road surface is found to allow the creation of dust emissions;</p> <p>Should one, or a combination, of the above methods fail to adequately reduce airborne dust from plant or haul roads and grounds, alternative methods shall be employed, either exclusively or in combination with one or all of the above control techniques, so that dust will not become airborne. Alternative methods shall be approved by the Department prior to utilization.</p>	
<p>19. <u>Additions and Revisions</u></p> <p>Any modifications to this source shall comply with the modification procedures in Rules 335-3-16-.13 or 335-3-16-.14.</p>	<p>ADEM Admin Code r. 335-3-16-.13 and .14</p>
<p>20. <u>Recordkeeping Requirements</u></p> <p>(a) Records of required monitoring information of the source shall include the following:</p> <ul style="list-style-type: none"> (1) The date, place, and time of all sampling or measurements; (2) The date analyses were performed; (3) The company or entity that performed the analyses; (4) The analytical techniques or methods used; (5) The results of all analyses; and (6) The operating conditions that existed at the time of sampling or measurement. <p>(b) Retention of records of all required monitoring data and support information of the source for a period of at least 5 years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation and copies of all reports required by the permit.</p>	<p>ADEM Admin Code r. 335-3-16-.05(c)2.</p>

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<p>21. <u>Reporting Requirements</u></p> <ul style="list-style-type: none"> (a) Reports to the Department of any required monitoring shall be submitted at least every 6 months. All instances of deviations from permit requirements must be clearly identified in said reports. All required reports must be certified by a responsible official consistent with Rule 335-3-16-.04(9). (b) Deviations from permit requirements shall be reported within 48 hours or 2 working days of such deviations, including those attributable to upset conditions as defined in the permit. The report will include the probable cause of said deviations, and any corrective actions or preventive measures that were taken. 	ADEM Admin Code r. 335-3-16-.05(c)3.
<p>22. <u>Emission Testing Requirements</u></p> <p>Each point of emission which requires testing will be provided with sampling ports, ladders, platforms, and other safety equipment to facilitate testing performed in accordance with procedures established by Part 60 of Title 40 of the Code of Federal Regulations, as the same may be amended or revised.</p> <p>The Air Division must be notified in writing at least 10 days in advance of all emission tests to be conducted and submitted as proof of compliance with the Department's air pollution control rules and regulations.</p> <p>To avoid problems concerning testing methods and procedures, the following shall be included with the notification letter:</p> <ul style="list-style-type: none"> (1) The date the test crew is expected to arrive, the date and time anticipated of the start of the first run, how many and which sources are to be tested, and the names of the persons and/or testing company that will conduct the tests. (2) A complete description of each sampling train to be used, including type of media used in determining gas stream components, type of probe lining, type of filter media, and probe cleaning method and solvent to be used (if test procedures require probe cleaning). (3) A description of the process(es) to be tested including the feed rate, any operating parameters 	<p>ADEM Admin Code r. 335-3-1-.05(3) and ADEM Admin Code r. 335-3-1-.04(1)</p> <p>ADEM Admin Code r. 335-3-1-.04</p>

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<p>used to control or influence the operations, and the rated capacity.</p> <p>(4) A sketch or sketches showing sampling point locations and their relative positions to the nearest upstream and downstream gas flow disturbances.</p> <p>A pretest meeting may be held at the request of the source owner or the Air Division. The necessity for such a meeting and the required attendees will be determined on a case-by-case basis.</p> <p>All test reports must be submitted to the Air Division within 30 days of the actual completion of the test unless an extension of time is specifically approved by the Air Division.</p>	<p>ADEM Admin Code r. 335-3-1-.04</p>
<p>23. <u>Payment of Emission Fees</u></p> <p>Annual emission fees shall be remitted each year according to the fee schedule in ADEM Admin. Code R. 335-1-7-.04.</p>	<p>ADEM Admin Code r. 335-1-7-.04</p>
<p>24. <u>Other Reporting and Testing Requirements</u></p> <p>Submission of other reports regarding monitoring records, fuel analyses, operating rates, and equipment malfunctions may be required as authorized in the Department's air pollution control rules and regulations. The Department may require emission testing at any time.</p>	<p>ADEM Admin Code r. 335-3-1-.04(1)</p>
<p>25. <u>Title VI Requirements (Refrigerants)</u></p> <p>Any facility having appliances or refrigeration equipment, including air conditioning equipment, which use Class I or Class II ozone-depleting substances as listed in 40 CFR Part 82, Subpart A, Appendices A and B, shall service, repair, and maintain such equipment according to the work practices, personnel certification requirements, and certified recycling and recovery equipment specified in 40 CFR Part 82, Subpart F.</p> <p>No person shall knowingly vent or otherwise release any Class I or Class II substance into the environment during the repair, servicing, maintenance, or disposal of any device except as provided in 40 CFR Part 82, Subpart F.</p> <p>The responsible official shall comply with all reporting and recordkeeping requirements of 40 CFR 82.166. Reports shall be submitted to the US EPA and the Department as</p>	<p>40 CFR Part 82</p>

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required.	
<p>26. <u>Chemical Accidental Prevention Provisions</u></p> <p>If a chemical listed in Table 1 of 40 CFR Part 68.130 is present in a process in quantities greater than the threshold quantity listed in Table 1, then:</p> <p>(a) The owner or operator shall comply with the provisions in 40 CFR Part 68</p> <p>(b) The owner or operator shall submit one of the following:</p> <p>(1) A compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR Part 68 § 68.10(a) or,</p> <p>(2) A certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of the Risk Management Plan</p>	<p>40 CFR Part 68</p>
<p>27. <u>Display of Permit</u></p> <p>This permit shall be kept under file or on display at all times at the site where the facility for which the permit is issued is located and will be made readily available for inspection by any or all persons who may request to see it.</p>	<p>ADEM Admin Code r. 335-3-14-.01(1)(d)</p>
<p>28. <u>Circumvention</u></p> <p>No person shall cause or permit the installation or use of any device or any means which, without resulting in a reduction in the total amount of air contaminant emitted, conceals or dilutes any emission of air contaminant which would otherwise violate the Division 3 rules and regulations.</p>	<p>ADEM Admin Code r. 335-3-1-.10</p>
<p>29. <u>Visible Emissions</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, any source of particulate emissions shall not discharge more than one 6-minute average opacity greater than 20% in any 60-minute period. At no time shall any source discharge a 6-minute average opacity of particulate emissions greater than 40%. Opacity will be determined by 40 CFR Part 60, Appendix A, Method 9, unless otherwise specified in the Unit Specific provisos of this permit.</p>	<p>ADEM Admin Code r. 335-3-4-.01(1)</p>

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<p>30. <u>Fuel-Burning Equipment</u></p> <p>(a) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning equipment may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.03.</p> <p>(b) Unless otherwise specified in the Unit Specific provisos of this permit, no fuel-burning installation may discharge sulfur dioxide emissions in excess of the emissions specified in Part 335-3-5-.01.</p>	<p>ADEM Admin Code r. 335-3-4-.03</p> <p>ADEM Admin Code r. 335-3-5-.01</p>
<p>31. <u>Process Industries – General</u></p> <p>Unless otherwise specified in the Unit Specific provisos of this permit, no process may discharge particulate emissions in excess of the emissions specified in Part 335-3-4-.04.</p>	<p>ADEM Admin Code r. 335-3-4-.04</p>
<p>32. <u>Averaging Time for Emission Limits</u></p> <p>Unless otherwise specified in the permit, the averaging time for the emission limits listed in this permit shall be the nominal time required by the specific test method.</p>	<p>ADEM Admin Code r. 335-3-1-.05</p>
<p>33. <u>Compliance Assurance Monitoring (CAM)</u></p> <p>Conditions (a) through (d) that follow are general conditions applicable to emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the unit specific provisos and the attached CAM appendices.</p> <p>(a) Operation of Approved Monitoring</p> <p>(1) Commencement of operation. The owner or operator shall conduct the monitoring required under this section and detailed in the unit specific provisos and CAM appendix of this permit (if required) upon issuance of the permit, or by such later date specified in the permit pursuant to §64.6(d).</p> <p>(2) Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.</p> <p>(3) Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and</p>	<p>40 CFR 64.7</p>

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<p>required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.</p> <p>(4) Response to excursions or exceedances. (a) Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable. (b) Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.</p>	

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<p>(5) Documentation of need for improved monitoring. After approval of monitoring under this part, if the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the Department and, if necessary, submit a proposed modification to the permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.</p> <p>(b) Quality Improvement Plan (QIP) Requirements</p> <p>(1) Based on the results of a determination made under Section 33(a)(4)(b) above, the Administrator or the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with 40 CFR §64.6(c)(3), the permit may specify an appropriate threshold, such as an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, for requiring the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.</p> <p>(2) Elements of a QIP:</p> <p>A. The owner or operator shall maintain a written QIP, if required, and have it available for inspection.</p> <p>B. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as</p>	<p>40 CFR 64.8</p>

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<p>appropriate:</p> <ul style="list-style-type: none"> i. Improved preventive maintenance practices. ii. Process operation changes. iii. Appropriate improvements to control methods. iv. Other steps appropriate to correct control performance. v. More frequent or improved monitoring (only in conjunction with one or more steps under paragraphs (2)(b)(i) through (iv) above <p>(3) If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the Department if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.</p> <p>(4) Following implementation of a QIP, upon any subsequent determination pursuant to Section 33(a)(4)(b) above, the Department may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:</p> <ul style="list-style-type: none"> A. Failed to address the cause of the control device performance problems; or B. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. <p>(5) Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.</p>	

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<p>(c) Reporting and Recordkeeping Requirements</p> <p>(1) General reporting requirements</p> <p>A. On and after the date specified in Section 33(a)(1) above by which the owner or operator must use monitoring that meets the requirements of this part, the owner or operator shall submit monitoring reports to the permitting authority in accordance with ADEM Admin. Code R. 335-3-16-.05(c)3.</p> <p>B. A report for monitoring under this part shall include, at a minimum, the information required under ADEM Admin. Code R. 335-3-16-.05(c)3. and the following information, as applicable:</p> <p>(i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;</p> <p>(ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and</p> <p>(iii) A description of the actions taken to implement a QIP during the reporting period as specified in Section 33(b) above. Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.</p> <p>(2) General recordkeeping requirements.</p> <p>A. The owner or operator shall comply with the recordkeeping requirements specified in ADEM Admin. Code R. 335-3-16-.05(c)2. The owner or operator shall maintain records of monitoring data, monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to Section 33(b) above and any activities undertaken to implement a</p>	<p>40 CFR 64.9</p>

General Permit Provisos

Federally Enforceable Provisos	Regulations
<p>quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).</p> <p>B. Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.</p> <p>(d) Savings Provisions</p> <p>(1) Nothing in this part shall:</p> <p>A. Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this part shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.</p> <p>B. Restrict or abrogate the authority of the Department to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as</p>	<p>40 CFR 64.10</p>

General Permit Provisos

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<p style="text-align: center;">applicable.</p> <p style="text-align: center;">C. Restrict or abrogate the authority of the Department to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.</p> <p>34. <u>Permit Shield</u></p> <p>(a) A permit shield exists under this operating permit in accordance with ADEM Admin. Code 335-3-16-.10 in that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance. The permit shield is based on the accuracy of the information supplied in the application for this permit. Under this shield, it has been determined that requirements listed as non-applicable in the application are not applicable to this source.</p> <p>(b) Nothing in this permit shall alter or affect the following:</p> <p>(1)The provisions of Section 303 of the Act (emergency orders), including the authority of the Administrator under that section;</p> <p>(2)The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance.</p> <p>(3)The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act; or</p> <p>(4)The ability of EPA to obtain information from a source pursuant to Section 114 of the Act.</p>	<p style="text-align: center;">Rule 335-3-16-.10</p>

Summary Page for Feed Processing Buildings with Four (4) Baghouses

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
PBH1 PBH2	Pellet/Receiving Building w/ Feed Dryer & Three (3) Baghouses	PM	3.9 lb/hr (combined) or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
PBH3	Pellet/Receiving Building w/ Feed Dryer & Three (3) Baghouses	PM	3.9 lb/hr (combined*) or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
RBBH1	Receiving Building w/Baghouse	PM	4.8 lb/hr or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
PBH2	Pellet/Receiving Building w/ Feed Dryer & Three (3) Baghouses	SO ₂	N/A	N/A
PBH2	Pellet/Receiving Building w/ Feed Dryer & Three (3) Baghouses	NO _x	N/A	N/A
PBH2	Pellet/Receiving Building w/ Feed Dryer & Three (3) Baghouses	CO	N/A	N/A
PBH2	Pellet/Receiving Building w/ Feed Dryer & Three (3) Baghouses	VOC	N/A	N/A
PBH1 PBH2 PBH3 RBBH1	Pellet/Receiving Building w/ Feed Dryer & Three (3) Baghouses Receiving Building w/Baghouse	Pb	N/A	N/A
PBH1 PBH2 PBH3 RBBH1	Pellet/Receiving Building w/ Feed Dryer & Three (3) Baghouses Receiving Building w/Baghouse	Opacity	20% (See General Proviso No. 29)	ADEM Admin. Code r. 335-3-4-.01

* This is a combined limit with Baghouse TBH1/2 located in the Kiln Nos. 1 & 2 Transition Building.

Provisos for Feed Processing Buildings with Four (4) Baghouses

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i> .	ADEM Admin. Code r. 335-3-16-.03
2. These sources are subject to ADEM Admin. Code r. 335-3-4-.01(1), <i>"Control of Particulate Emissions – Visible Emissions"</i> .	ADEM Admin. Code r. 335-3-4-.01(1)
3. These sources are subject to ADEM Admin Code r. 335-3-4-.04(1) <i>"Control of Particulate Emissions for Process Industries – General"</i> .	ADEM Admin. Code r. 335-3-4-.04(1)
4. These sources are subject to the applicable requirements of 40 CFR Part 64 <i>"Compliance Assurance Monitoring"</i> .	40 CFR Part 64
5. These sources have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration)"</i> .	ADEM Admin. Code r. 335-3-14-.04
<u>Emission Standards</u>	
1. No person shall discharge particulate emissions of an opacity greater than that designated as twenty (20%) percent opacity, as determined by a six minute average. During one six minute period a person may discharge into the atmosphere from any source emissions of an opacity not greater than forty (40%) percent.	ADEM Admin. Code r. 335-3-4-.01(1)
2. Particulate matter (PM) emissions from PBH1 and PBH2 shall not exceed the lesser of the combined anti-PSD limit of 3.9 lbs/hr or the allowable set by Rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
3. PM emissions from PBH3 and TBH1/2 shall not exceed the lesser of the combined anti-PSD limit of 3.9 lb/hr or the allowable set by Rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
4. PM emissions from RBBH1 shall not exceed the lesser of the anti-PSD limit of 4.8 lb/hr or the allowable set by Rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Particulate matter (PM) emissions tests shall be conducted in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> 2. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A. 3. Instantaneous VEO shall be conducted in accordance with Method 22 of 40 CFR 60, Appendix A. 4. Lead emissions tests shall be conducted in accordance with Method 12 of 40 CFR 60, Appendix A 	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<u>Emission Monitoring</u>	
<ol style="list-style-type: none"> 1. Emission monitoring requirements under 40 CFR 64 "Compliance Assurance Monitoring" (CAM) can be found in the Appendix. 	<p>40 CFR Part 64</p>
<u>Recordkeeping and Reporting Requirements</u>	
<ol style="list-style-type: none"> 1. The Permittee shall maintain records and submit reports for monitoring required by CAM. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR Part 64</p>
<ol style="list-style-type: none"> 2. This source is subject to the applicable requirements of 40 CFR Part 64, "Compliance Assurance Monitoring" to include the reporting and recordkeeping requirements in §64.9. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR Part 64</p>
<ol style="list-style-type: none"> 3. The Permittee shall maintain records of the daily pressure differential readings for each baghouse. Any deviations from the acceptable range (0 to 6 inch of W. C.) shall be documented along with any corrective actions taken and reported to the Department within two working days. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR Part 64</p>
<ol style="list-style-type: none"> 4. The Permittee shall maintain records of daily visible inspections of each baghouse exhaust. If any opacity is observed, a Method 9 shall be conducted and recorded and reported to the Department within two working days. Records shall be kept of instances when the visible emissions exceed the acceptable level (six-minute period with an average opacity greater than 20% in any hour, excluding one six-minute period in any 60-minute period with 40% opacity or less) and the corrective action taken. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR Part 64</p>
<ol style="list-style-type: none"> 5. All records shall be maintained on site in a form suitable for inspection for a minimum of five years following the date of generation. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Summary Page for Waelz Kiln No. 1 with Baghouse

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
PC1	Waelz Kiln No. 1 with Product Collection Baghouse	PM	18 lb/hr or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
PC1	Waelz Kiln No. 1 with Product Collection Baghouse	NO _x	19 lb/hr	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC1	Waelz Kiln No. 1 with Product Collection Baghouse	SO ₂	0.85 lb/ton of throughput & 223 TPY for PC1-PC3 combined	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC1	Waelz Kiln No. 1 with Product Collection Baghouse	VOC	0.457 lb/ton of throughput & 120 TPY for PC1-PC3 combined	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC1	Waelz Kiln No. 1 with Product Collection Baghouse	CO	21.5 lb/hr	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC1	Waelz Kiln No. 1 with Product Collection Baghouse	Pb	.25 lb/hr	ADEM Admin. Code r. 335-3-4-.04
PC1	Waelz Kiln No. 1 with Product Collection Baghouse	Opacity	20%	ADEM Admin. Code r. 335-3-4-.01(3-5)

Provisos for Waelz Kiln No. 1 with Baghouse

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, " <i>Major Source Operating Permits</i> ".	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), " <i>Control of Particulate Emissions – Visible Emissions</i> ".	ADEM Admin. Code r. 335-3-4-.01
3. This source is subject only to ADEM Admin Code r. 335-3-4-.04(1) " <i>Control of Particulate Emissions for Process Industries – General</i> ".	ADEM Admin. Code r. 335-3-4-.04
4. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, " <i>Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration)</i> ".	ADEM Admin. Code r. 335-3-14-.04
<u>Emission Standards</u>	
1. No person shall discharge particulate emissions of an opacity greater than twenty (20%) percent opacity, as determined by a six minute average, except that during each calendar quarter, the permittee may discharge into the atmosphere from the stack particulate with an opacity exceeding 20% for not more than 24 six minute periods in any calendar day, if such periods do not exceed 2.0% of the source calendar quarter operating hours for which the opacity standard is applicable and for which the COMS is indicating valid data.	ADEM Admin. Code r. 335-3-4-.01(3-5)
2. The permittee shall not discharge into the atmosphere from the baghouse exhaust particulate emissions of an opacity greater than 22% averaged over each calendar day.	ADEM Admin. Code r. 335-3-4-.01(3-5)
3. Particulate matter (PM) emissions from Waelz Kiln No. 1 (PC1) shall not exceed the lesser of the Anti-PSD limit of 18 lbs/hr or the allowable set by rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
4. Sulfur dioxide (SO ₂) emissions from Waelz Kiln No. 1 (PC1), Waelz Kiln No. 2 (PC2), and Waelz Kiln No. 3 (PC3) combined shall not exceed 0.85 lb/ton of material throughput equivalent to 223 TPY on 525,000 TPY material throughput.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
5. Nitrogen oxide (NO _x) emissions from Waelz Kiln No. 1 (PC1) shall not exceed 19 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
	Anti-PSD

Federally Enforceable Provisos	Regulations
6. Carbon monoxide (CO) emissions from Waelz Kiln No. 1 (PC1) shall not exceed 21.5 lb/hr.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
7. Volatile organic compound (VOC) emissions from Waelz Kiln No. 1 (PC1), Waelz Kiln No. 2 (PC2), and Waelz Kiln No. 3 (PC3) shall not exceed 0.457 lb/ton of throughput equivalent to 120 TPY on 525,000 TPY material throughput.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
8. Lead (Pb) emissions from Waelz Kiln No. 1 (PC1) shall not exceed .25 lb/hr.	ADEM Admin. Code r. 335-3-14-.04
9. Waelz Kiln No. 1, Waelz Kiln No. 2, and Waelz Kiln No. 3 combined shall process no more than 525,000 tons of material in any consecutive twelve-month period.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
<u>Compliance and Performance Test Methods and Procedures</u>	
1. PM emissions tests shall be conducted in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
2. SO ₂ emissions tests shall be conducted in accordance with Method 6 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
3. NO _x emissions tests shall be conducted in accordance with Method 7 or 7E of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
4. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
5. CO emissions tests shall be conducted in accordance with Method 10 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
6. Lead emissions tests shall be conducted in accordance with Method 12 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
7. Instantaneous VEO shall be conducted in accordance with Method 22 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
<u>Emission Monitoring</u>	
1. A continuous opacity monitoring system shall be installed on the kiln baghouse stack, operated, and certified in accordance with Performance Specification 1 as found in Appendix B of 40 CFR Part 60.	ADEM Admin. Code r. 335-3-16-.05(c)
2. The Permittee shall conduct a PM emissions test for Waelz Kiln No. 1 (PC1) annually, at intervals not to exceed 12 months.	ADEM Admin. Code r. 335-3-16-.05(c)
3. The Permittee shall conduct a lead emissions test for Waelz Kiln No. 1 (PC1) annually, at intervals not to exceed 12 months.	ADEM Admin. Code r. 335-3-16-.05(c)
4. The Permittee shall monitor the sulfur content from each load	ADEM Admin. Code r.

Federally Enforceable Provisos	Regulations
<p>received of carbon utilized in the Waelz kiln. The sulfur content of the carbon shall not exceed the sulfur content of the material used in the latest SO₂ compliance test. The Permittee may use vendor test data or shipment certifications to verify the sulfur content in the carbon.</p>	<p>335-3-16-.05(c)</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<ol style="list-style-type: none"> 1. A written report of excess opacity, as determined by the COMS and defined below, will be submitted to the Department for each calendar quarter within the month immediately following the end of the quarter. The quarterly report will include the following: <ol style="list-style-type: none"> (1) The date and time of commencement and completion of each time period of excess emissions. (2) The nature and cause of the excess emissions (if known) and the corrective action taken or preventative measures adopted. (3) The date and time identifying each period during which the opacity monitoring system was inoperative (except for zero and span checks) and the nature of the system repairs or adjustments. (4) When no excess emissions have occurred, and the opacity monitoring system was not inoperative or did not require repairs or adjustments, such information will be stated in the report. 2. Records shall be maintained of the original data charts, performance evaluations, calibration checks, adjustments and maintenance records, and other information regarding the opacity monitoring system. 3. Records shall be maintained of the causes of excess opacity and corrective measures utilized to alleviate said emissions. 4. Records shall be maintained of any maintenance performed on the baghouse. 5. Records shall be maintained of the monthly and twelve-month rolling total throughput of material processed by the kiln. 6. Records shall be maintained of the sulfur content of the carbon utilized in the Waelz kiln. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Federally Enforceable Provisos**Regulations**

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| 7. All records shall be maintained on site in a form suitable for inspection for a minimum of five years following the date of generation. | ADEM Admin. Code r. 335-3-16-.05(c) |
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Summary Page for Waelz Kiln No. 2 with Baghouse

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
PC2	Waelz Kiln No. 2 with Product Collection Baghouse	PM	10 lb/hr or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
PC2	Waelz Kiln No. 2 with Product Collection Baghouse	NO _x	10 lb/hr	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC2	Waelz Kiln No. 2 with Product Collection Baghouse	SO ₂	0.85 lb/ton of throughput & 223 TPY for PC1-PC3 combined	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC2	Waelz Kiln No. 2 with Product Collection Baghouse	VOC	0.457 lb/ton of throughput & 120 TPY for PC1-PC3 combined	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC2	Waelz Kiln No. 2 with Product Collection Baghouse	CO	4.6 lb/hr	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC2	Waelz Kiln No. 2 with Product Collection Baghouse	Pb	.23 lb/hr	ADEM Admin. Code r. 335-3-4-.04
PC2	Waelz Kiln No. 2 with Product Collection Baghouse	Opacity	20%	ADEM Admin. Code r. 335-3-4-.01(3-5)

Provisos for Waelz Kiln No. 2 with Baghouse

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), “ <i>Control of Particulate Emissions – Visible Emissions</i> ”.	ADEM Admin. Code r. 335-3-4-.01
3. This source is subject only to ADEM Admin Code r. 335-3-4-.04(1) “ <i>Control of Particulate Emissions for Process Industries – General</i> ”.	ADEM Admin. Code r. 335-3-4-.04
4. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration)</i> ”.	ADEM Admin. Code r. 335-3-14-.04
<u>Emission Standards</u>	
1. No person shall discharge particulate emissions of an opacity greater than twenty (20%) percent opacity, as determined by a six minute average, except that during each calendar quarter, the permittee may discharge into the atmosphere from the stack particulate with an opacity exceeding 20% for not more than 24 six minute periods in any calendar day, if such periods do not exceed 2.0% of the source calendar quarter operating hours for which the opacity standard is applicable and for which the COMS is indicating valid data.	ADEM Admin. Code r. 335-3-4-.01(3-5)
2. The permittee shall not discharge into the atmosphere from the baghouse exhaust particulate emissions of an opacity greater than 22% averaged over each calendar day.	ADEM Admin. Code r. 335-3-4-.01(3-5)
3. Particulate matter (PM) emissions from Waelz Kiln No. 2 (PC2) shall not exceed the lesser of the Anti-PSD limit of 10 lbs/hr or the allowable set by rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
4. Sulfur dioxide (SO ₂) emissions from Waelz Kiln No. 1 (PC1), Waelz Kiln No. 2 (PC2), and Waelz Kiln No. 3 (PC3) combined shall not exceed 0.85 lb/ton of material throughput equivalent to 223 TPY on 525,000 TPY material throughput.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
5. Nitrogen oxide (NO _x) emissions from Waelz Kiln No. 2 (PC2) shall not exceed 10 lb/hr.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD

Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> 6. Carbon monoxide (CO) emissions from Waelz Kiln No. 2 (PC2) shall not exceed 4.6 lb/hr. 7. Volatile organic compound (VOC) emissions from Waelz Kiln No. 1 (PC1), Waelz Kiln No. 2 (PC2), and Waelz Kiln No. 3 (PC3) shall not exceed 0.457 lb/ton of throughput equivalent to 120 TPY on 525,000 TPY material throughput. 8. Lead (Pb) emissions from Waelz Kiln No. 2 (PC2) shall not exceed .23 lb/hr. 9. Waelz Kiln No. 1, Waelz Kiln No. 2, and Waelz Kiln No. 3 combined shall process no more than 525,000 tons of material in any consecutive twelve-month period. 	<p>ADEM Admin. Code r. 335-3-14-.04</p> <p>Anti-PSD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>Anti-PSD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>Anti-PSD</p>
<u>Compliance and Performance Test Methods and Procedures</u>	
<ol style="list-style-type: none"> 1. PM emissions tests shall be conducted in accordance with Method 5 of 40 CFR 60, Appendix A. 2. SO₂ emissions tests shall be conducted in accordance with Method 6 of 40 CFR 60, Appendix A. 3. NO_x emissions tests shall be conducted in accordance with Method 7 or 7E of 40 CFR 60, Appendix A. 4. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A. 5. CO emissions tests shall be conducted in accordance with Method 10 of 40 CFR 60, Appendix A. 6. Lead emissions tests shall be conducted in accordance with Method 12 of 40 CFR 60, Appendix A. 7. Instantaneous VEO shall be conducted in accordance with Method 22 of 40 CFR 60, Appendix A. 	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<u>Emission Monitoring</u>	
<ol style="list-style-type: none"> 1. A continuous opacity monitoring system shall be installed on the kiln baghouse stack, operated, and certified in accordance with Performance Specification 1 as found in Appendix B of 40 CFR Part 60. 2. The Permittee shall conduct a PM emissions test for Waelz Kiln No. 2 (PC2) annually, at intervals not to exceed 12 months. 3. The Permittee shall conduct a lead emissions test for Waelz Kiln No. 2 (PC2) annually, at intervals not to exceed 12 months. 4. The Permittee shall monitor the sulfur content from each load 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r.</p>

Federally Enforceable Provisos**Regulations**

7. All records shall be maintained on site in a form suitable for inspection for a minimum of five years following the date of generation.

ADEM Admin. Code r.
335-3-16-.05(c)

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Summary Page for Waelz Kiln No. 3 with Baghouse

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
PC3	Waelz Kiln No. 3 with Product Collection Baghouse	PM	10 lb/hr or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
PC3	Waelz Kiln No. 3 with Product Collection Baghouse	NO _x	10 lb/hr	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC3	Waelz Kiln No. 3 with Product Collection Baghouse	SO ₂	0.85 lb/ton of throughput & 223 TPY for PC1-PC3 combined	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC3	Waelz Kiln No. 3 with Product Collection Baghouse	VOC	0.457 lb/ton of throughput & 120 TPY for PC1-PC3 combined	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC3	Waelz Kiln No. 3 with Product Collection Baghouse	CO	4.6 lb/hr	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
PC3	Waelz Kiln No. 3 with Product Collection Baghouse	Pb	.23 lb/hr	ADEM Admin. Code r. 335-3-4-.04
PC3	Waelz Kiln No. 3 with Product Collection Baghouse	Opacity	20%	ADEM Admin. Code r. 335-3-4-.01(3-5)

Provisos for Waelz Kiln No. 3 with Baghouse

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. This source is subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, “ <i>Major Source Operating Permits</i> ”.	ADEM Admin. Code r. 335-3-16-.03
2. This source is subject to ADEM Admin. Code r. 335-3-4-.01(1), “ <i>Control of Particulate Emissions – Visible Emissions</i> ”.	ADEM Admin. Code r. 335-3-4-.01
3. This source is subject only to ADEM Admin Code r. 335-3-4-.04(1) “ <i>Control of Particulate Emissions for Process Industries – General</i> ”.	ADEM Admin. Code r. 335-3-4-.04
4. This source has enforceable limits in place in order to prevent it from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, “ <i>Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration)</i> ”.	ADEM Admin. Code r. 335-3-14-.04
<u>Emission Standards</u>	
1. No person shall discharge particulate emissions of an opacity greater than twenty (20%) percent opacity, as determined by a six minute average, except that during each calendar quarter, the permittee may discharge into the atmosphere from the stack particulate with an opacity exceeding 20% for not more than 24 six minute periods in any calendar day, if such periods do not exceed 2.0% of the source calendar quarter operating hours for which the opacity standard is applicable and for which the COMS is indicating valid data.	ADEM Admin. Code r. 335-3-4-.01(3-5)
2. The permittee shall not discharge into the atmosphere from the baghouse exhaust particulate emissions of an opacity greater than 22% averaged over each calendar day.	ADEM Admin. Code r. 335-3-4-.01(3-5)
3. Particulate matter (PM) emissions from Waelz Kiln No. 3 (PC3) shall not exceed the lesser of the Anti-PSD limit of 10 lb/hr or the allowable set by rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
4. Sulfur dioxide (SO ₂) emissions from Waelz Kiln No. 1 (PC1), Waelz Kiln No. 2 (PC2), and Waelz Kiln No. 3 (PC3) combined shall not exceed 0.85 lb/ton of material throughput equivalent to 223 TPY on 525,000 TPY material throughput.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
5. Nitrogen oxide (NO _x) emissions from Waelz Kiln No. 3 (PC3) shall not exceed 10 lb/hr.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD

Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> 6. Carbon monoxide (CO) emissions from Waelz Kiln No. 3 (PC3) shall not exceed 4.6 lb/hr. 7. Volatile organic compound (VOC) emissions from Waelz Kiln No. 1 (PC1), Waelz Kiln No. 2 (PC2), and Waelz Kiln No. 3 (PC3) shall not exceed 0.457 lb/ton of throughput equivalent to 120 TPY on 525,000 TPY material throughput. 8. Lead (Pb) emissions from Waelz Kiln No. 3 (PC3) shall not exceed .23 lb/hr. 9. Waelz Kiln No. 1, Waelz Kiln No. 2, and Waelz Kiln No. 3 combined shall process no more than 525,000 tons of material in any consecutive twelve-month period. 	<p>ADEM Admin. Code r. 335-3-14-.04</p> <p>Anti-PSD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>Anti-PSD</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>ADEM Admin. Code r. 335-3-14-.04</p> <p>Anti-PSD</p>
<u>Compliance and Performance Test Methods and Procedures</u>	
<ol style="list-style-type: none"> 1. PM emissions tests shall be conducted in accordance with Method 5 of 40 CFR 60, Appendix A. 2. SO₂ emissions tests shall be conducted in accordance with Method 6 of 40 CFR 60, Appendix A. 3. NO_x emissions tests shall be conducted in accordance with Method 7 or 7E of 40 CFR 60, Appendix A. 4. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A. 5. CO emissions tests shall be conducted in accordance with Method 10 of 40 CFR 60, Appendix A. 6. Lead emissions tests shall be conducted in accordance with Method 12 of 40 CFR 60, Appendix A. 7. Instantaneous VEO shall be conducted in accordance with Method 22 of 40 CFR 60, Appendix A. 	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<u>Emission Monitoring</u>	
<ol style="list-style-type: none"> 1. A continuous opacity monitoring system shall be installed on the kiln baghouse stack, operated, and certified in accordance with Performance Specification 1 as found in Appendix B of 40 CFR Part 60. 2. The Permittee shall conduct a PM emissions test for Waelz Kiln No. 3 (PC3) annually, at intervals not to exceed 12 months. 3. The Permittee shall conduct a lead emissions test for Waelz Kiln No. 3 (PC3) annually, at intervals not to exceed 12 months. 4. The Permittee shall monitor the sulfur content from each load 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r.</p>

Federally Enforceable Provisos**Regulations**

7. All records shall be maintained on site in a form suitable for inspection for a minimum of five years following the date of generation.

ADEM Admin. Code r.
335-3-16-.05(c)

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Summary Page for Transition & Storage Buildings with Three (3) Baghouses

Permitted

Operating Schedule: 24 Hrs/day x 7 Days/week x 52 Weeks/yr = 8760 Hrs/yr

Emission limitations:

Emission Point #	Description	Pollutant	Emission limit	Regulation
TBH1/2	Waelz Kiln Nos. 1 & 2 Transition Building with Baghouse	PM	3.9 lb/hr (combined*) or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
TBH3	Waelz Kiln No. 3 Transition Building with Baghouse	PM	1.9 lb/hr or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
WBH1	Waelz Iron Product (WIP) Building with Baghouse	PM	1.9 lb/hr or (See General Proviso No. 31)	Anti-PSD ADEM Admin. Code r. 335-3-4-.04
TBH1/2 TBH3 WBH1	Waelz Kiln Transition Buildings with Two (2) Baghouses WIP Building with Baghouse	Pb	N/A	N/A
TBH1/2 TBH3 WBH1	Waelz Kiln Transition Buildings with Two (2) Baghouses WIP Building with Baghouse	Opacity	20% (See General Proviso No. 29)	ADEM Admin. Code r. 335-3-4-.01

* This is a combined limit with Baghouse PBH3 located in the Pellet/Receiving Building.

Provisos for Transition & Storage Buildings with Three (3) Baghouses

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>"Major Source Operating Permits"</i> .	ADEM Admin. Code r. 335-3-16-.03
2. These sources are subject to ADEM Admin. Code r. 335-3-4-.01(1), <i>"Control of Particulate Emissions – Visible Emissions"</i> .	ADEM Admin. Code r. 335-3-4-.01(1)
3. These sources are subject to ADEM Admin Code r. 335-3-4-.04(1) <i>"Control of Particulate Emissions for Process Industries – General"</i> .	ADEM Admin. Code r. 335-3-4-.04(1)
4. These sources are subject to the applicable requirements of 40 CFR Part 64 <i>"Compliance Assurance Monitoring"</i> .	40 CFR Part 64
5. These sources have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, <i>"Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration)"</i> .	ADEM Admin. Code r. 335-3-14-.04
<u>Emission Standards</u>	
1. No person shall discharge particulate emissions of an opacity greater than that designated as twenty (20%) percent opacity, as determined by a six minute average. During one six minute period a person may discharge into the atmosphere from any source emissions of an opacity not greater than forty (40%) percent.	ADEM Admin. Code r. 335-3-4-.01(1)
2. Particulate matter (PM) emissions from TBH1/2 and PBH3 shall not exceed the lesser of the combined anti-PSD limit of 3.9 lb/hr or the allowable set by Rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
3. PM emissions from TBH3 shall not exceed the lesser of the anti-PSD limit of 1.9 lb/hr or the allowable set by Rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
4. PM emissions from WBH1 shall not exceed the lesser of the anti-PSD limit of 1.9 lb/hr or the allowable set by Rule 335-3-4-.04.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Particulate matter (PM) emissions tests shall be conducted in accordance with Method 5 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> 2. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A. 3. Instantaneous VEO shall be conducted in accordance with Method 22 of 40 CFR 60, Appendix A. 4. Lead emissions tests shall be conducted in accordance with Method 12 of 40 CFR 60, Appendix A 	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<p><u>Emission Monitoring</u></p>	
<ol style="list-style-type: none"> 1. Emission monitoring requirements under 40 CFR 64 "Compliance Assurance Monitoring" (CAM) can be found in the Appendix. 	<p>40 CFR Part 64</p>
<p><u>Recordkeeping and Reporting Requirements</u></p>	
<ol style="list-style-type: none"> 1. The Permittee shall maintain records and submit reports for monitoring required by CAM. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>
	<p>40 CFR Part 64</p>
<ol style="list-style-type: none"> 2. This source is subject to the applicable requirements of 40 CFR Part 64, "Compliance Assurance Monitoring" to include the reporting and recordkeeping requirements in §64.9. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR Part 64</p>
<ol style="list-style-type: none"> 3. The Permittee shall maintain records of the daily pressure differential readings for each baghouse. Any deviations from the acceptable range (0 to 6 inch of W. C.) shall be documented along with any corrective actions taken and reported to the Department within two working days. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR Part 64</p>
<ol style="list-style-type: none"> 4. The Permittee shall maintain records of daily visible inspections of each baghouse exhaust. If any opacity is observed, a Method 9 shall be conducted and recorded and reported to the Department within two working days. Records shall be kept of instances when the visible emissions exceed the acceptable level (six-minute period with an average opacity greater than 20% in any hour, excluding one six-minute period in any 60-minute period with 40% opacity or less) and the corrective action taken. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>40 CFR Part 64</p>
<ol style="list-style-type: none"> 5. All records shall be maintained on site in a form suitable for inspection for a minimum of five years following the date of generation. 	<p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

Summary Page for Two (2) 2,000 HP Emergency Engines

Existing MACT ZZZZ Engines \geq 500 BHP:

Permitted Operating Schedule: **500** Total Hours Each/Year [Anti-PSD]

Emission Point #	Description	Pollutant	Emission limit	Regulation
EG1 & EG3	Two (2) 2,000 HP Emergency Engines	PM	N/A	N/A
EG1 & EG3	Two (2) 2,000 HP Emergency Engines	SO ₂	N/A	N/A
EG1 & EG3	Two (2) 2,000 HP Emergency Engines	NO _x	N/A	N/A
EG1 & EG3	Two (2) 2,000 HP Emergency Engines	CO	N/A	N/A
EG1 & EG3	Two (2) 2,000 HP Emergency Engines	VOC	N/A	N/A
EG1 & EG3	Two (2) 2,000 HP Emergency Engines	Opacity	20% (See General Proviso No. 29)	ADEM Admin. Code r. 335-3-4-.01

Provisos for Two (2) 2,000 HP Emergency Engines

Federally Enforceable Provisos	Regulations
<u>Applicability</u>	
1. These sources are subject to the applicable requirements of ADEM Admin. Code r. 335-3-16-.03, <i>“Major Source Operating Permits”</i> .	ADEM Admin. Code r. 335-3-16-.03
2. These sources are subject to ADEM Admin. Code r. 335-3-4-.01(1), <i>“Control of Particulate Emissions – Visible Emissions”</i> .	ADEM Admin. Code r. 335-3-4-.01(1)
3. These sources are subject to the applicable area source requirements for existing emergency engines of 40 CFR 63 Subpart ZZZZ, <i>“National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines”</i> .	40 CFR Part 63 Subpart ZZZZ §63.6585
4. These sources have enforceable limits in place in order to prevent them from being subject to the provisions of ADEM Admin. Code r. 335-3-14-.04, <i>“Air Permits Authorizing Construction in Clean Air Areas (Prevention of Significant Deterioration).”</i>	ADEM Admin. Code r. 335-3-14-.04
<u>Emission Standards</u>	
1. No person shall discharge particulate emissions of an opacity greater than that designated as twenty (20%) percent opacity, as determined by a six minute average. During one six minute period a person may discharge into the atmosphere from any source emissions of an opacity not greater than forty (40%) percent.	ADEM Admin. Code r. 335-3-4-.01(1)
2. The total hours of operation for each of these units shall not exceed 500 hours in any consecutive 12-month period.	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
3. These units shall burn natural gas or No. 2 fuel oil only. The sulfur content of fuel oil shall not exceed 0.05% by weight	ADEM Admin. Code r. 335-3-14-.04 Anti-PSD
<u>Compliance and Performance Test Methods and Procedures</u>	
1. Nitrogen oxide (NO _x) emissions tests shall be conducted in accordance with Method 7 or 7E of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
2. Carbon monoxide (CO) emissions tests shall be conducted in accordance with Method 10 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05
3. Visible emissions observations (VEO) shall be conducted in accordance with Method 9 of 40 CFR 60, Appendix A.	ADEM Admin. Code r. 335-3-1-.05

Federally Enforceable Provisos	Regulations
<ol style="list-style-type: none"> 4. Filterable and condensable particulate matter (PM) emissions shall be determined in accordance with Method 5 of 40 CFR 60 or Method 201/201A of 40 CFR 60. 5. Sulfur dioxide (SO₂) emissions shall be determined in accordance with Method 6 of 40 CFR 60, Appendix A. 6. Volatile organic compound (VOC) emissions shall be determined in accordance with Method 25A of 40 CFR 60, Appendix A. 7. The sulfur content of the fuel oil delivered shall be measured in accordance with ASTM D4239-00. 	<p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p> <p>ADEM Admin. Code r. 335-3-1-.05</p>
<u>Emission Monitoring</u>	
<ol style="list-style-type: none"> 1. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, <i>“National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines”</i>, to include the monitoring requirements in §63.6603(a), §63.6640(f), and §63.6625(e)-(f) and (h)-(i). 2. The Permittee shall comply with the requirements in Table 2d to this subpart and the operating limitations in Table 2b to this subpart that apply. 3. The Permittee shall operate and maintain the stationary RICE and after-treatment control devices (if any) according to the manufacturer's emission-related written instructions or develop a maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practices for minimizing emissions. 4. The Permittee shall install a non-resettable hour meter on each engine if one is not already installed. 5. The Permittee shall minimize the engines' time spent at idle during startup and minimize the engines' startup time to a period needed for appropriate and safe loading of the engines, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in Tables 1a, 2a, 2c, and 2d to this subpart apply. 6. The Permittee has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Table 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2d to this subpart. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity 	<p>40 CFR Part 63 Subpart ZZZZ §63.6585</p> <p>40 CFR §63.6603(a)</p> <p>40 CFR §63.6625(e)</p> <p>40 CFR §63.6625(f)</p> <p>40 CFR §63.6625(h)</p> <p>40 CFR §63.6625(i)</p>

Federally Enforceable Provisos**Regulations**

of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the Permittee is not required to change the oil. If any of the limits are exceeded, the Permittee must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the Permittee must change the oil within 2 days or before commencing operation, whichever is later. The Permittee must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

7. The Permittee shall operate the emergency stationary RICE according to the requirements in paragraphs (f)(1) through (4) of this section. Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of this section, is prohibited. If the Permittee does not operate the engine according to the requirements in paragraphs (f)(1) through (4) of this section, the engine will not be considered an emergency engine under this subpart and will need to meet all requirements for non-emergency engines.

40 CFR §63.6640(f)

- (1) There is no time limit on the use of emergency stationary RICE in emergency situations.
- (2) The Permittee may operate the emergency stationary RICE for any combination of the purposes specified in paragraphs (f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f)(3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).
 - (i) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state, or local government, the manufacturer, the vendor, the regional transmissions roganizat5ion or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The Permittee may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the

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- Permittee maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar.
- (ii) Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.
 - (iii) Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.
- (3) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.
- (4) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f)(2) of this section. Except as provided in paragraphs (f)(4)(i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial

Federally Enforceable Provisos**Regulations**

arrangement with another entity.

- (i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.
- (ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:
 - (A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.
 - (B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.
 - (C) The dispatch follows reliability, emergency operation, or similar protocols that follow specific NERC, regional, state, public utility commission, or local standards or guidelines.
 - (D) The power is provided only to the facility itself or to support the local transmission and distribution system.
 - (E) The Permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission, or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the

Federally Enforceable Provisos	Regulations
<p style="text-align: center;">Permittee.</p> <p><u>Recordkeeping and Reporting Requirements</u></p> <ol style="list-style-type: none"> 1. These sources are subject to the applicable requirements of 40 CFR Part 63 Subpart ZZZZ, “National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines” to include the applicable recordkeeping requirements in §63.6655. 2. Records of monthly and twelve-month rolling totals of hours of operation shall be kept in a permanent form suitable for inspection for a minimum of five years following the date of generation. 3. Records of fuel oil sulfur content shall be kept in a form suitable for inspection for a minimum of five years following the date of generation. Fuel supplier certifications may be used as records for fuel oil sulfur content. 	<p>40 CFR Part 63 Subpart ZZZZ §63.6655</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p> <p>ADEM Admin. Code r. 335-3-16-.05(c)</p>

APPENDIX

COMPLIANCE ASSURANCE MONITORING (CAM)

Compliance Assurance Monitoring Plan
For Emission Units PBH1, PBH2, PBH3, RBBH1, TBH1/2, TBH3, & WBH1

	Indicator No. 1	Indicator No. 2
I. Indicator	Differential Pressure	Opacity
Measurement Approach	Inches of W. C. measuring the differential pressure across the baghouses are recorded daily.	Daily visual inspections. Visual opacity measurement using Method 9 procedures when required.
II. Indicator Range	The indicator range is 0 to 6 inches of W.C.	The indicator range is any six-minute period with an average opacity greater than 20% in any hour, excluding one six-minute period in any 60-minute period with 40% opacity or less.
III. Performance Criteria		
A. Data Representativeness	The differential pressure gauge is recorded daily. The gauge is accurate to the nearest 1 inch of W. C.	The opacity is observed daily.
B. Verification of Operation Status	Inspect and maintain differential pressure gauge and recording instruments in accordance with manufacturer specifications.	N/A
C. QA/QC Practices and Criteria	Maintenance of the baghouse or differential pressure gauge is conducted if there are any signs of erroneous readings and in accordance with manufacturer specifications.	Personnel are trained in Method 9 procedures.
D. Monitoring Frequency	Daily readings of the differential pressure across each baghouse.	Daily visual inspections each baghouse exhaust.
E. Data Collection Procedures	A daily reading of the differential pressure will be recorded. Should the differential pressure reading exceed 6 inches W. C., the baghouse will be inspected and maintenance will be conducted as appropriate.	Daily visual inspections will be recorded. If opacity is noted from the stack, a Method 9 inspection will be conducted and recorded.
F. Averaging period	N/A	Averaging period is six minutes.